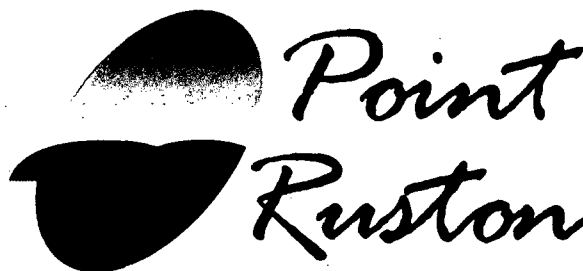


ASDSF

20.2.4.4

✓3



5129 N. Shirley St. Suite 100, Ruston, WA 98407

November 15, 2010

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 173, October 2010
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. Point Ruston will continue to provide monthly reports to EPA for the site organized in the same manner as previous reports prepared by Asarco to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 218.

Sincerely,

Loren Cohen
Manager of Legal Affairs

Attachment (2 copies)

cc: Chung Ki Yee - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay



Monthly Report 173, October 2010
Operable Unit 02
Asarco Tacoma Smelter Site

A. *Actions taken to achieve compliance with the Consent Decree during the previous month.*

1. Met with EPA on October 8th, October 15th and October 29th.
2. Construction of the sanitary sewer project occurred during the month of September and was completed and tested in October.
3. Erosion control BMP's were installed and this work will continue into November.
4. Continued weekly site-inspection reports (see attached).
5. Maintained clean work area and road.
6. Remedial Action activities continued.
7. Training activities include the following:
 - Site Safety Orientations (Clean Zone) was held for personnel of the following companies:
 - i. (10) EQM/Q2 workers
 - ii. (4) BNSF workers
 - iii. (3) GeoEngineers workers
 - iv. (1) Cintas worker
 - v. (1) Puget Sound Partnership visitor
 - vi. (2) Hanson workers
 - vii. (2) KOMO TV News workers
 - viii. (1) Q-13 TV worker
 - ix. (2) Danzco, Inc. workers
 - x. (1) Thompson & Smitch visitor
 - xi. (1) Roth Hill worker
 - xii. (1) Tagro worker
 - xiii. (1) Carpinito Brothers worker
 - xiv. (1) Department of Ecology worker
 - xv. (1) Diamond Concrete worker
 - xvi. (2) ProVac workers
 - xvii. (1) Hertz Equipment Rentals worker
 - Site Specific Safety Training (Exclusion Zone) was held for personnel of the following companies:
 - i. (9) EQM/Q2 workers
 - ii. (1) Army Corps of Engineers worker
 - HAZWOPER Basic training was verified or completed by personnel of the following companies:
 - i. (1) EQM/Q2 worker (80-hour)
 - ii. (8) EQM/Q2 workers (40-hour)
 - iii. (2) EQM/Q2 workers (24-hour)
 - iv. (1) Army Corps of Engineers worker (40-hour)
 - HAZWOPER annual retraining was verified or completed by personnel of the following companies:
 - i. (4) Azure-Green workers
 - ii. (8) EQM/Q2 workers

Monthly Report 173, October 2010
Operable Unit 02
Asarco Tacoma Smelter Site

- iii. (1) Army Corps of Engineers worker
- Other relevant monitoring or training was verified or completed by personnel of the following companies:
 - i. (4) Point Ruston workers (Respirator Training/Fit Test)
 - ii. (7) Point Ruston workers (Arsenic Analysis)

B. Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from May-October, and in December, February, and April.

In addition to the North and South Outfalls, Point Ruston resumed monitoring of an existing, upland station near the southeastern end of the car tunnel. This monitoring station is designated OSW2. Results for September 2010 sampling are attached. Outfall samples were mistakenly not collected in October. Samples will be collected in November in lieu of October.

- 2. Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 117 gallons per day on the LCRS. Shipment is scheduled to occur in November. Samples for a full analysis to establish a waste stream profile are pending laboratory results.
- 3. Point Ruston performs perimeter air monitoring at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), and at the South Gate. Results for samples collected during September 20th through 30th and October are attached.

Monthly Report 173, October 2010
Operable Unit 02
Asarco Tacoma Smelter Site

4. Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1)(a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring (Exposure Evaluations) was not required in October.

C. *Work Plans and other deliverables completed and submitted during the previous month.*

1. Plans and Documents included the following:
 - Point Ruston, through Hydrometrics, is working on responses to comments received for the Temporary Cap Plan, Sequence of Development and Occupancy Plan (SDOP), BNSF Excavation & TLA Plan, and the Operations Maintenance, and Monitoring Plan. Hydrometrics submitted a draft temporary capping plan and specifications for discussion as a part of the SDOP. The discussion of this plan is on-going
2. Remedial Action included the following tasks:
 - OCF construction activities:
 - Maintained leachate collection system.
 - Inspected storm drain system, vaults and cover.
 - Stack Hill construction activities:
 - Maintained erosion and surface water controls; specifically on Commercial Street cul-de-sac area.
 - Maintained site perimeter fence and signage at the north end of Stack Hill.
 - Site-wide remediation/redevelopment activities:
 - Continued surface water controls
 - Maintained onsite haul roads and stockpiles
 - Maintained erosion and surface water controls; Installed silt fence along Gallagher Way
 - Continued site-wide dust monitoring and control through site and access road watering
 - Continued air-monitoring program per CH&SP

D. *Actions scheduled for the next six weeks.*

Monthly Report 173, October 2010
Operable Unit 02
Asarco Tacoma Smelter Site

1. Continue construction of public infrastructure. The sanitary sewer project will be completed, tested and submitted for acceptance to the City of Tacoma, Town of Ruston and EPA.
2. The Deliverables specified in the BN Remedial Action Plan will be delivered to EPA for review. Upon approval of the Deliverables excavation will begin for this project.
3. Obtain final approval from the Town of Ruston and the City of Tacoma for the road portion of the Master Infrastructure/LID project. The items remaining are resolution of the City's concerns relative to Bore Hole 3 and the signing of mylars.
4. Address comments from the June 17, 2010 meeting regarding Occupancy Plan Development, and submit a proposal for a Temporary Cap in compliance with the Consent Decree.
5. Discuss Monitoring Well Plan
6. Respond to EPA comments on the Operation, Maintenance and Monitoring Plan
7. Response to EPA comments regarding the Point Ruston CC&Rs
8. Continue with ASARCO Dock Removal Project by DNR's contractor; including filling cave at Copper Dock with controlled density fill (CDF).

The following Remedial Action tasks are planned to continue:

RA Monitoring:

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring during remedial action activities

OCF OMMP activities:

- a. Continue collection of leachate for offsite disposal
- b. Continue monitoring of leachate volumes

Stack Hill construction activities:

- a. Erosion controls and site maintenance
- b. Continue home construction
- c. Begin face cap installation

Site-wide construction activities:

- a. Continue surface water controls
- b. Maintain roads and stockpiles onsite
- c. Maintain erosion controls
- d. Construction activities for mass grading and Master Infrastructure

Monthly Report 173, October 2010
Operable Unit 02
Asarco Tacoma Smelter Site

E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

1. Point Ruston is continuing to work with the City of Tacoma & Town of Ruston to secure permits associated with the Master Infrastructure CMP and Phase I CMP.
2. Point Ruston is coordinating with BNSF to secure a quit claim deed for the area adjacent to Ruston Way

F. Modifications to work plans or schedules proposed to or approved by EPA.

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston submitted a Request for Schedule Modification to Attachment 1 of the Final Statement of Work on February 9, 2010 and has been in continuing discussions with EPA over the proposed schedule modification.

G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

1. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site.
2. Point Ruston continues to work with MetroParks to incorporate the capping component into the Peninsula Park design, pursuant to the Memorandum of Agreement between Point Ruston, LLC and MetroParks regarding the design and remediation plan for Breakwater Peninsula. Point Ruston plans to meet with members of the Peninsula Park Joint Planning group in December.
3. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.
4. Point Ruston has been actively working with the Washington Dept. of Natural Resources on the Asarco docks demolition project. The 3 docks are currently being removed, with work currently scheduled to conclude in early December. DNR has sent out plans and specs for public bid to armor certain portions of the shoreline, per the EPA approved design. This work is scheduled to occur through the end of the fish window, this season.



Weekly Site Inspection Report No. 2010-1003
Week of 10/3-9, 2010 Inspector TIM RUSHER
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
51st Street	G	F	P	Y	N	DECOMMISSIONED (NO GATE)
South (electric)	(G)	F	P	Y	(N)	CONDUCTED MAINTENANCE
Cooling Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	Moved SIGN BOYED FROM 51 ST ST. TO 54 TH ST.
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51 st & Gallagher	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	G	F	P	Y	N	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	(SEE NOTES)
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2010-1003
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						
Barriers	(G)	F	P	Y	(N)	Dock DEMO IN PROGRESS
Signs	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
Stack Hill	(G)	F	P	Y	(N)	
Lower Site	G	F	(P)	(Y)	N	
	G	F	P	Y	N	
Health & Safety Plans:						
Site Superintendant	(G)	F	P	(Y)	N	RESPONDING TO COMMENTS FOR V.5
Construction Super.	(G)	F	P	(Y)	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: SEEDED BARE SOIL AREAS OF LOWER SITE. OVERSEEDDED SPARSLY COVERED AREAS. VEGETATION TO SERVE AS DUST AND EROSION CONTROL.

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 10/3	53/62	S WIND 4 mph / GUST 6 mph, NO PRECIPITATION
Monday 4	49/62	S WIND 3 mph / GUST 6 mph, NO PRECIPITATION
Tuesday 5	45/61	NNE WIND 3 mph / GUST 6 mph, NO PRECIPITATION
Wednesday 6	48/63	ENE WIND 3 mph / GUST 9 mph, NO PRECIPITATION
Thursday 7	50/65	SSW WIND 5 mph / GUST 7 mph, NO PRECIPITATION
Friday 8	55/66	SSW WIND 2 mph / GUST 8 mph, PRECIP LATE NIGHT 0.08"
Saturday 9	57/62	SSE WIND 1 mph / GUST 6 mph, PRECIP. SCATTERED 1.64"

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 10/11/10

SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2010-1010
Week of 10/10-16, 2010 Inspector TIM RUSHER
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
51st Street	G	F	P	Y	N	
South (electric)	(G)	F	P	Y	(N)	
Cooling Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51 st & Gallagher	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2010-1010
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						Dock Demo In Progress
Barriers	(G)	F	P	Y	(N)	
Signs	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
Stack Hill	(G)	F	P	Y	(N)	
Lower Site	G	F	(P)	(Y)	N	
	G	F	P	Y	N	
Health & Safety Plans:						
Site Superintendant	(G)	F	P	(Y)	N	REVIEWING COMMENTS
Construction Super.	(G)	F	P	(Y)	N	NEED RESPONSE
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: ALL BARE DIRT AREAS OF SITE HAVE BEEN SEEDED WITH GRASS. SPARSELY VEGETATED AREAS HAVE BEEN OVERSEED.

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 10	52/64	SSW WIND 5 MPH/GUST 11 MPH, PRECIP. ALL MORN. 1."
Monday 11	45/62	SSW WIND 5 MPH/GUST 6 MPH, NO PRECIPITATION
Tuesday 12	44/61	SE WIND 2 MPH/GUST 6 MPH, NO PRECIPITATION
Wednesday 13	46/65	E WIND 2 MPH/GUST 6 MPH, NO PRECIPITATION
Thursday 14	47/64	SSW WIND 4 MPH/GUST 7 MPH, NO PRECIPITATION
Friday 15	43/57	E WIND 4 MPH/GUST 4 MPH, NO PRECIPITATION
Saturday 16	44/55	NE WIND 4 MPH/GUST 6 MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 10/18/10

SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2010-1017
Week of 10/17 - 23, 2010 Inspector TIM RUSHER
Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
51st Street	G	F	P	Y	N	
South (electric)	(G)	F	P	Y	(N)	
Cooling Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	LEAVES FROM 51 ST ST WASH DOWN TOWARDS SITE + GALLAGHER.
51 st & Gallagher	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	(F)	P	(Y)	N	AREAS NEED SOME ATTENTION
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	N	
Zone Separation	G	(F)	P	(Y)	N	STORM DAMAGE - NEEDS REPAIRS
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2010-1017
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						<u>DEMO IN PROGRESS - ON SCHEDULE</u>
Barriers	(G)	F	P	Y	(N)	
Signs	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
Stack Hill	(G)	F	P	Y	(N)	
Lower Site	G	F	(P)	(Y)	N	
	G	F	P	Y	N	
Health & Safety Plans:						
Site Superintendant	(G)	F	P	(Y)	N	<u>REVIEW & REPLY TO COMMENTS PENDING</u>
Construction Super.	(G)	F	P	(Y)	N	
Other	G	F	P	Y	N	


G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 17	38/55	NNE WIND 2MPH/GUST 4MPH, NO PRECIPITATION
Monday 18	42/58	NE WIND 2MPH/GUST 4MPH, NO PRECIPITATION
Tuesday 19	43/59	ENE WIND 1MPH/GUST 3MPH, NO PRECIPITATION
Wednesday 20	45/61	NE WIND 1MPH/GUST 11MPH, NO PRECIPITATION
Thursday 21	46/61	SSW WIND 3MPH/GUST 11MPH, NO PRECIPITATION
Friday 22	51/60	SSW WIND 4MPH/GUST 12MPH, PRECIP. early MORN. 0.48"
Saturday 23	50/59	S WIND 3MPH/GUST 11MPH, PRECIP. late even 0.44"

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 10/25/10 SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 200-1024
Week of 10/24-30, 2010 Inspector Tim Rusher
Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
51st Street	G	F	P	Y	N	
South (electric)	(G)	F	P	Y	(N)	
Cooling Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	STANDING WATER DURING HEAVY RAINS
51 st & Gallagher	(G)	F	P	Y	(N)	A LOT OF LEAVES FROM COMMUNITY
Stack Hill	(G)	F	P	Y	(N)	MOSTLY GOOSE POOP ON STREETS
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	(F)	P	(Y)	(N)	NEEDS TIED UP IN NUMEROUS PLACES
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	G	F	P	Y	(N)	
Dust:						DAMP - WET SOIL CONDITIONS
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2010-1024
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						
Barriers	G	F	P	Y	N	Dock Demo IN PROGRESS
Signs	G	F	P	Y	N	
(Other)	G	F	P	Y	N	COPPER DOCK GONE, ONLY PILINGS REMAIN
Cameras:						
Stack Hill	G	F	P	Y	N	
Lower Site	G	F	P	Y	N	
	G	F	P	Y	N	
Health & Safety Plans:						
Site Superintendant	G	F	P	Y	N	REVIEWING COMMENTS TO V. 5
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: 10/24/10 - RAIN EVENT 2.74"

WINDS ON MON/TUE/WED DAMAGED ZONE + SILT FENCE. REPAIRS ARE IN PROGRESS STARTING IN TRAFFIC + WORK AREAS FIRST.

RECENTLY SEEDED AREAS ARE SHOWING NOTICEABLE GRASS GROWTH.

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 24	47/51	SSW WIND 6MPH/GUST 13 MPH, PRECIP. SCATTERED 2.74"
Monday 25	45/55	SSW WIND 9 MPH/GUST 14 MPH, PRECIP. MORN 3 NOON 0.8"
Tuesday 26	44/49	SSW WIND 7 MPH/GUST 10 MPH, PRECIP. MORN-EVE 0.6"
Wednesday 27	44/51	SE WIND 4 MPH/GUST 5 MPH, NO PRECIPITATION
Thursday 28	50/53	SSE WIND 1 MPH/GUST 3 MPH, PRECIP. NOON 0.08"
Friday 29	45/59	SSW WIND 2 MPH/GUST 5 MPH, NO PRECIPITATION
Saturday 30	40/51	S WIND 2 MPH/GUST 6 MPH, PRECIP. NOON-EVE 0.36"

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 11/1/10 SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

OCT 20 2010

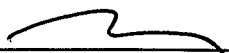
10/18/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 09/27/2010
Spectra Project: 2010090609

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8226636	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/20/2010
8226636	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/20/2010
8226635	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/20/2010
8226635	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/20/2010
8226634	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/20/2010
8226634	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/20/2010
8226633	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/21/2010
8226633	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/21/2010
8226632	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/21/2010
8226632	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/21/2010
8226631	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/21/2010
8226631	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/21/2010
8226630	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/22/2010
8226630	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/22/2010
8226629	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/22/2010
8226629	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/22/2010

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager
a8/sgh



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com


10/18/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 09/27/2010
Spectra Project: 2010090609

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8226628	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/22/2010
8226628	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/22/2010
8226627	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/23/2010
8226627	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/23/2010
8226625	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/23/2010
8226625	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/23/2010
8226626	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/23/2010
8226626	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/23/2010
8226623	13	Arsenic	0.06	µg/m3	SW846 6010B	Filter	09/24/2010
8226623	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/24/2010
8226622	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/24/2010
8226622	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/24/2010
8226621	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/24/2010
8226621	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/24/2010
8226624	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/23/2010
8226624	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/23/2010

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager
a8/sgb

2010090609

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO		PROJECT NAME					
AIR MONITORING		POINT RUSTON, LLC (HI-VOL)					
SAMPLERS (Signature)							
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	NO. OF CONTAINERS	REMARKS
7/20/10	SG		✓		8226636	1	PLEASE EMAIL RESULTS TO: TIM@POINTRUSTON.COM THANK YOU
7/20/10	OCF-VI		✓		8226635	1	
9/20/10	OCF-NW		✓		8226634	1	
7/21/10	SG		✓		8226633	1	
9/21/10	OCF-VI		✓		8226632	1	
9/21/10	OCF-NW		✓		8226631	1	
7/22/10	SG		✓		8226630	1	
9/22/10	OCF-VI		✓		8226629	1	
9/22/10	OCF-NW		✓		8226628	1	
9/23/10	SG		✓		8226627	1	
9/23/10	OCF-VI		✓		8226625	1	
9/23/10	OCF-NW		✓		8226626	1	
9/24/10	SG		✓		8226623	1	
9/24/10	OCF-VI		✓		8226622	1	
9/24/10	OCF-NW		✓		8226621	1	
Relinquished (Signature)			Date/Time		Received by: (Signature)		Lab
Relinquished (Signature)			Date/Time		Received by: (Signature)		Remarks
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)		Enclosed:

COCForm - 8/07

PAGE 1 of 2

Spectra

Split Samples:
[] Accepted [] Declined

Signature

CHAIN OF CUSTODY RECORD

**POINT
RUSTON**5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

7010046609

PROJ. NO		PROJECT NAME				NO. OF CONTAINERS	REMARKS												
SAMPLERS: (Signature)																			
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER														
9/23/10	CONTROL			✓	82260624	1	✓												
<div>9/27/10</div> <div>H1 VOLUME SAMPLE LOG</div> <div>1 PAGE</div> <div>C.F.M DATA FOR LISTED FILTERS</div>																			
Relinquished (Signature)						Date/Time				Received by: (Signature)				Lab		Shipped Via: FedEx, UPS or Other <u>DROP OFF</u>			
Relinquished (Signature)						Date/Time				Received by: (Signature)				Remarks					
Relinquished (Signature)						Date/Time				Received for Laboratory by: (Signature)				Date/Time		Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter			
						9-27-10 1:42				Marie Holt						Split Samples: [] Accepted [] Declined			
																Signature			



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

OCT 25 2010

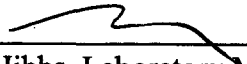
10/21/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 10/06/2010
Spectra Project: 2010100124

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8226620	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/27/2010
8226620	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/27/2010
8226619	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/27/2010
8226619	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/27/2010
8226618	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/27/2010
8226618	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/27/2010
8226617	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/28/2010
8226617	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/28/2010
8226616	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/28/2010
8226616	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/28/2010
8226615	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/28/2010
8226615	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/28/2010
8226614	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/29/2010
8226614	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/29/2010
8226613	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/29/2010
8226613	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/29/2010

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com


10/21/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 10/06/2010
Spectra Project: 2010100124

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8226612	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/29/2010
8226612	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/29/2010
8226611	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/30/2010
8226611	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/30/2010
8226610	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/30/2010
8226610	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/30/2010
8226609	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	09/30/2010
8226609	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	09/30/2010
8226608	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/01/2010
8226608	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/01/2010
8226607	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/01/2010
8226607	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/01/2010
8226606	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/01/2010
8226606	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/01/2010
8226605	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/01/2010
8226605	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/01/2010

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

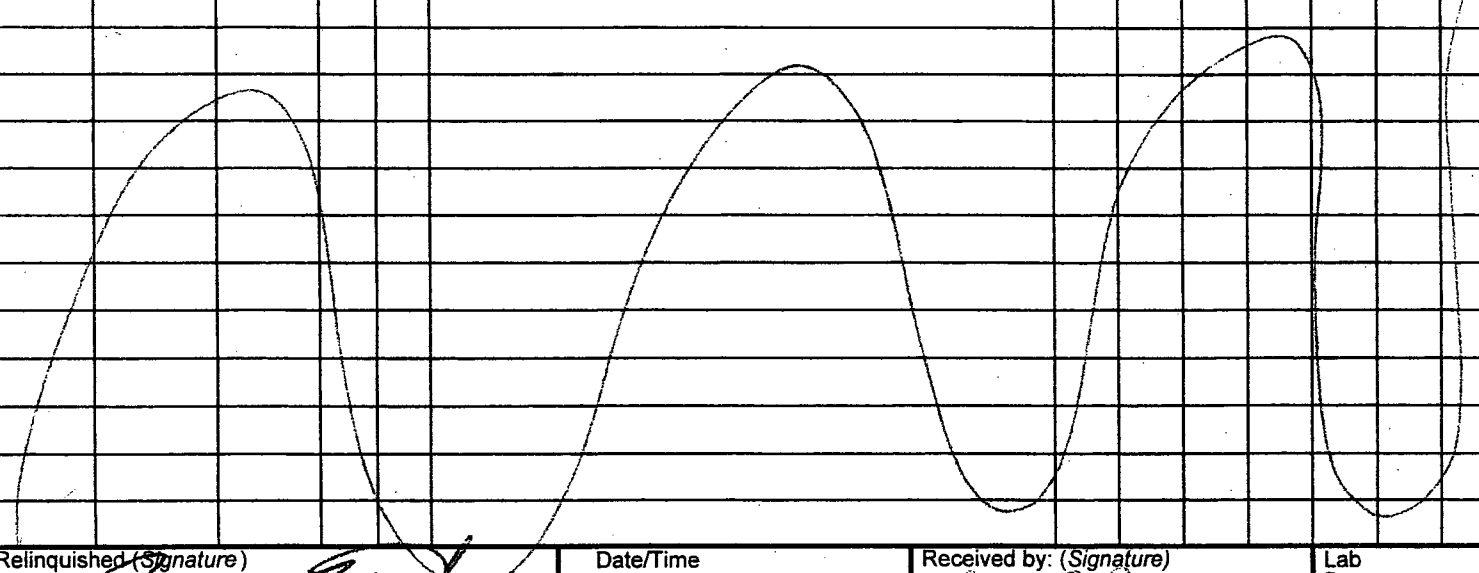
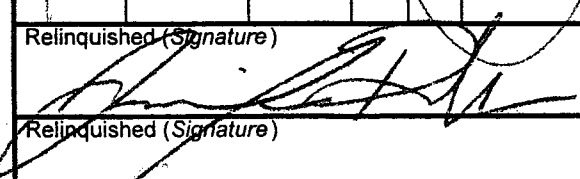

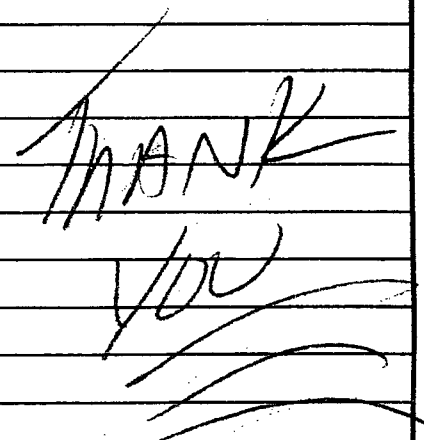
2010.100124

PROJECT NAME						
AIR MONITORING POINT RUSTON, LLC HI-VOL						
SAMPLER'S (Signature)						
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	NO. OF CONTAINERS
9/27/10	SG		✓		8226620	1 ✓
9/27/10	O/F-VI		✓		8226619	1 ✓
9/27/10	O/F-NW		✓		8226618	1 ✓
9/28/10	SG		✓		8226617	1 ✓
9/28/10	O/F-VI		✓		8226616	1 ✓
9/28/10	O/F-NW		✓		8226615	1 ✓
9/29/10	SG		✓		8226614	1 ✓
9/29/10	O/F-VI		✓		8226613	1 ✓
9/29/10	O/F-NW		✓		8226612	1 ✓
9/30/10	SG		✓		8226611	1 ✓
9/30/10	O/F-VI		✓		8226610	1 ✓
9/30/10	O/F-NW		✓		8226609	1 ✓
10/1/10	SG		✓		8226608	1 ✓
10/1/10	O/F-VI		✓		8226607	1 ✓
10/1/10	O/F-NW		✓		8226606	1 ✓
Relinquished (Signature)			Date/Time		Received by: (Signature)	
			10/6/10 1114		Red Ren	
Relinquished (Signature)			Date/Time		Received by: (Signature)	
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)	
			Date/Time	Enclosed:		
				<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter		
Split Samples: [] Accepted [] Declined						Signature

CHAIN OF CUSTODY RECORD

**POINT
RUSTON**5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

1010100124

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS	
AIR MONITORING		POINT RUSTON, LLC (HI-VOL)					
SAMPLERS: (Signature)							
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
10/1/10	CONTROL		✓		82210605	1	✓
10/4/10	HI-VOLUME SAMPLER LOG 1 PAGE					C.F.M. DATA FOR LISTED FILTERS	
							
Relinquished (Signature)			Date/Time		Received by: (Signature)		Lab
			10/6/10 1114				SPECTRA
Relinquished (Signature)			Date/Time		Received by: (Signature)		Shipped via: FedEx, UPS or Other
							 DROPOFF
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)		Remarks
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)		Enclosed:
							<input type="checkbox"/> Parameter List with DTLs
							<input type="checkbox"/> Cover Letter
Split Samples:							
[] Accepted [] Declined							
Signature							



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

11/10/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 10/26/2010
Spectra Project: 2010100597

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8226601	1	Arsenic	0.19	µg/m3	SW846 6010B	Filter	10/20/2010
8226601	1	Lead	0.12	µg/m3	SW846 6010B	Filter	10/20/2010
8230600	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/20/2010
8230600	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/20/2010
8230599	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/20/2010
8230599	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/20/2010
8230598	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/21/2010
8230598	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/21/2010
8230597	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/21/2010
8230597	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/21/2010
8230596	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	10/21/2010
8230596	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	10/21/2010

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

CHAIN OF CUSTODY RECORD

POINT
RUSTON5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

2010100597

PROJ. NO		PROJECT NAME				NO. OF CONTAINERS	REMARKS					
AIR MONITORING		POINT RUSTON, LLC HI-VOL										
SAMPLERS: (Signature)												
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER							
10/20/10	SG		✓		82210601	1	✓					
10/20/10	OCF-VI		✓		8230600	1	✓					
10/20/10	OCF-NW		✓		8230599	1	✓					
10/21/10	SG		✓		8230598	1	✓					
10/21/10	OCF-VI		✓		8230597	1	✓					
10/21/10	OCF-NW		N		8230596	1	✓					
10/25/10							CFM DATA FOR LISTED FILTERS					
HI-VOLUME SAMPLER LOG							1 PAGE					
Relinquished (Signature)			Date/Time		Received by: (Signature)		Lab		Shipped via: FedEx, UPS or Other			
			10/26/10 1202						DROP OFF			
Relinquished (Signature)			Date/Time		Received by: (Signature)		Remarks					
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)		Date/Time		Enclosed:			
									<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter			
Split Samples:												
[] Accepted [] Declined							Signature					



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

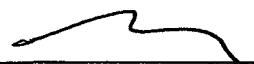
11/10/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Sample Matrix: Filter
Date Sampled: 10/29/2010
Date Received: 11/02/2010
Spectra Project: 2010110071

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
8230595	1	Arsenic	< 0.05	µg/m3	SW846 6010B
8230595	1	Lead	< 0.05	µg/m3	SW846 6010B
8230594	2	Arsenic	< 0.05	µg/m3	SW846 6010B
8230594	2	Lead	< 0.05	µg/m3	SW846 6010B
8230593	3	Arsenic	< 0.05	µg/m3	SW846 6010B
8230593	3	Lead	< 0.05	µg/m3	SW846 6010B

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a7/scj

Page 1 of 1

CHAIN OF CUSTODY RECORD

POINT
RUSTON5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

201011071

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS													
AIR MONITORING		POINT RUSTON, LLC																	
SAMPLERS: (Signature)				JR															
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER														
10/29/10	SG		✓		8230595	1	✓												
10/29/10	DCF-VI		✓		8230594	1	✓												
10/29/10	DCF-NW		✓		8230593	1	✓												
					HIVOLUME SAMPLER LOG					1 PAGE					CFM DATA FOR LISTED FILTERS				
Relinquished (Signature)					Date/Time					Received by: (Signature)					Lab				
JR					11-2-10 2:45 pm					Marie Holt Spectra					Shipped via FedEx, UPS or Other DROP OFF				
Relinquished (Signature)					Date/Time					Received by: (Signature)					Remarks				
Relinquished (Signature)					Date/Time					Received for Laboratory by: (Signature)					Date/Time				
															Enclosed:				
															<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter				
Split Samples:																			
[] Accepted [] Declined																			
Signature																			

Table 1. Summary of September 2010 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.059	11.72%	0.012	2.40%	0.004	0.80%
OSW2	0.072	14.32%	0.032	6.40%	0.006	1.20%
North Outfall	0.033	6.68%	0.034	6.80%	0.034	6.80%

* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.

ANALYTICAL SUMMARY REPORT

October 14, 2010

Point Ruston LLC
5219 N Shirley St Ste 100
Ruston, WA 98407-6599

Workorder No.: B10100515

Project Name: September, Tacoma Smelter Outfall Samples

Energy Laboratories Inc received the following 15 samples for Point Ruston LLC on 10/6/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B10100515-001	TSM0910407, North	09/07/10 10:23	10/06/10	Aqueous	Metals by ICP/ICPMS, Total Metals Preparation by EPA 200.2
B10100515-002	TSM0910107, South	09/07/10 10:07	10/06/10	Aqueous	Same As Above
B10100515-003	TSM0910207, OSW-2	09/07/10 10:08	10/06/10	Aqueous	Same As Above
B10100515-004	TSM0910413, North	09/13/10 12:32	10/06/10	Aqueous	Same As Above
B10100515-005	TSM0910113, South	09/13/10 12:10	10/06/10	Aqueous	Same As Above
B10100515-006	TSM0910213, OSW-2	09/13/10 12:11	10/06/10	Aqueous	Same As Above
B10100515-007	TSM0910420, North	09/20/10 9:57	10/06/10	Aqueous	Same As Above
B10100515-008	TSM0910120, South	09/20/10 10:12	10/06/10	Aqueous	Same As Above
B10100515-009	TSM0910220, OSW-2	09/20/10 10:13	10/06/10	Aqueous	Same As Above
B10100515-010	TSM0910427, North	09/27/10 9:57	10/06/10	Aqueous	Same As Above
B10100515-011	TSM0910127, South	09/27/10 9:35	10/06/10	Aqueous	Same As Above
B10100515-012	TSM0910227, OSW-2	09/27/10 9:36	10/06/10	Aqueous	Same As Above
B10100515-013	TSM1010404, North	10/04/10 9:08	10/06/10	Aqueous	Same As Above
B10100515-014	TSM1010104, South	10/04/10 9:29	10/06/10	Aqueous	Same As Above
B10100515-015	TSM1010204, OSW-2	10/04/10 9:30	10/06/10	Aqueous	Same As Above

This report was prepared by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:


Supervisor, Wet ChemistryDigitally signed by
Keri Conter

Date: 2010.10.15 14:44:35 -06:00



www.energylab.com
Analytical Excellence Since 1952

Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-001
Client Sample ID: TSM0910407, North

Report Date: 10/14/10
Collection Date: 09/07/10 10:23
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.033	mg/L		0.005		E200.8	10/09/10 11:44 / tao
Copper	0.03	mg/L		0.01		E200.8	10/09/10 11:44 / tao
Zinc	0.05	mg/L		0.01		E200.8	10/09/10 11:44 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-002
Client Sample ID: TSM0910107, South

Report Date: 10/14/10
Collection Date: 09/07/10 10:07
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.053	mg/L		0.005		E200.8	10/08/10 16:06 / tao
Copper	0.01	mg/L		0.01		E200.8	10/08/10 16:06 / tao
Zinc	ND	mg/L		0.01		E200.8	10/08/10 16:06 / tao

Report
Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-003
Client Sample ID TSM0910207, OSW-2

Report Date: 10/14/10
Collection Date: 09/07/10 10:08
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.041	mg/L		0.005		E200.8	10/08/10 16:10 / tao
Copper	ND	mg/L		0.01		E200.8	10/08/10 16:10 / tao
Zinc	ND	mg/L		0.01		E200.8	10/08/10 16:10 / tao

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



www.energylab.com
Analytical Excellence Since 1952

Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-004
Client Sample ID: TSM0910413, North

Report Date: 10/14/10
Collection Date: 09/13/10 12:32
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.035	mg/L		0.005		E200.8	10/09/10 11:48 / tao
Copper	0.04	mg/L		0.01		E200.8	10/09/10 11:48 / tao
Zinc	0.06	mg/L		0.01		E200.8	10/09/10 11:48 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



www.energylab.com
Analytical Excellence Since 1852

Helena, MT 877-472-0711 • Billings, MT 800-735-4488 • Casper, WY 888-235-0515
Gillette, WY 866-688-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-005
Client Sample ID: TSM0910113, South

Report Date: 10/14/10
Collection Date: 09/13/10 12:10
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.048	mg/L		0.005		E200.8	10/09/10 11:52 / tao
Copper	0.01	mg/L		0.01		E200.8	10/09/10 11:52 / tao
Zinc	0.01	mg/L		0.01		E200.8	10/09/10 11:52 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



www.energylab.com
Analytical Excellence Since 1952

Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-006
Client Sample ID: TSM0910213, OSW-2

Report Date: 10/14/10
Collection Date: 09/13/10 12:11
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.060	mg/L		0.005		E200.8	10/09/10 11:56 / tao
Copper	0.06	mg/L		0.01		E200.8	10/09/10 11:56 / tao
Zinc	ND	mg/L		0.01		E200.8	10/09/10 11:56 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-007
Client Sample ID: TSM0910420, North

Report Date: 10/14/10
Collection Date: 09/20/10 09:57
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.036	mg/L		0.005		E200.8	10/09/10 12:00 / tao
Copper	0.05	mg/L		0.01		E200.8	10/09/10 12:00 / tao
Zinc	0.03	mg/L		0.01		E200.8	10/09/10 12:00 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-008
Client Sample ID: TSM0910120, South

Report Date: 10/14/10
Collection Date: 09/20/10 10:12
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.066	mg/L		0.005		E200.8	10/09/10 12:21 / tao
Copper	0.02	mg/L		0.01		E200.8	10/09/10 12:21 / tao
Zinc	0.01	mg/L		0.01		E200.8	10/09/10 12:21 / tao

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



www.energylab.com
Analytical Excellence Since 1952

Helena, MT 877-472-0711 • Billings, MT 800-735-4488 • Casper, WY 866-235-0515
Gallatin, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-009
Client Sample ID: TSM0910220, OSW-2

Report Date: 10/14/10
Collection Date: 09/20/10 10:13
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.056	mg/L		0.005		E200.8	10/09/10 12:25 / tao
Copper	0.02	mg/L		0.01		E200.8	10/09/10 12:25 / tao
Zinc	ND	mg/L		0.01		E200.8	10/09/10 12:25 / tao

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



www.energylab.com
Analytical Excellence Since 1952

Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-010
Client Sample ID: TSM0910427, North

Report Date: 10/14/10
Collection Date: 09/27/10 09:57
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.031	mg/L		0.005		E200.8	10/09/10 12:29 / tao
Copper	0.03	mg/L		0.01		E200.8	10/09/10 12:29 / tao
Zinc	0.02	mg/L		0.01		E200.8	10/09/10 12:29 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-011
Client Sample ID: TSM0910127, South

Report Date: 10/14/10
Collection Date: 09/27/10 09:35
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.066	mg/L		0.005		E200.8	10/08/10 16:14 / tao
Copper	0.02	mg/L		0.01		E200.8	10/08/10 16:14 / tao
Zinc	ND	mg/L		0.01		E200.8	10/08/10 16:14 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



www.energylab.com
Analytical Excellence Since 1932

Helena, MT 877-472-0711 • Billings, MT 800-735-4488 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-012
Client Sample ID: TSM0910227, OSW-2

Report Date: 10/14/10
Collection Date: 09/27/10 09:36
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.145	mg/L		0.005		E200.8	10/09/10 12:33 / tao
Copper	0.06	mg/L		0.01		E200.8	10/09/10 12:33 / tao
Zinc	0.03	mg/L		0.01		E200.8	10/09/10 12:33 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



www.energylab.com
Analytical Excellence Since 1852

Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-013
Client Sample ID: TSM1010404, Notth

Report Date: 10/14/10
Collection Date: 10/04/10 09:08
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.032	mg/L		0.005		E200.8	10/09/10 12:37 / tao
Copper	0.02	mg/L		0.01		E200.8	10/09/10 12:37 / tao
Zinc	0.01	mg/L		0.01		E200.8	10/09/10 12:37 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



www.energylab.com
Analytical Excellence Since 1952

Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-014
Client Sample ID: TSM1010104, South

Report Date: 10/14/10
Collection Date: 10/04/10 09:29
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.060	mg/L		0.005		E200.8	10/08/10 16:18 / tao
Copper	ND	mg/L		0.01		E200.8	10/08/10 16:18 / tao
Zinc	ND	mg/L		0.01		E200.8	10/08/10 16:18 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



www.energylab.com
Analytical Excellence Since 1952

Helena, MT 877-472-0711 • Billings, MT 800-735-4488 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples
Lab ID: B10100515-015
Client Sample ID: TSM1010204, OSW-2

Report Date: 10/14/10
Collection Date: 10/04/10 09:30
Date Received: 10/06/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.056	mg/L		0.005		E200.8	10/09/10 12:41 / tao
Copper	0.02	mg/L		0.01		E200.8	10/09/10 12:41 / tao
Zinc	ND	mg/L		0.01		E200.8	10/09/10 12:41 / tao

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples

Report Date: 10/14/10
Work Order: B10100515

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8					Analytical Run: ICPMS202-B_101008A				
Sample ID: QCS - 100607A,100726A, Initial Calibration Verification Standard					10/08/10 10:24				
Arsenic	0.0509	mg/L	0.0050	102	90	110			
Copper	0.0522	mg/L	0.010	104	90	110			
Zinc	0.0522	mg/L	0.010	104	90	110			
Method: E200.8					Batch: 49603				
Sample ID: MB-49603					Run: ICPMS202-B_101008A 10/09/10 10:33				
Method Blank									
Arsenic	ND	mg/L	5E-05						
Copper	0.0006	mg/L	3E-05						
Zinc	0.002	mg/L	0.0001						
Sample ID: LCS-49603					Run: ICPMS202-B_101008A 10/09/10 10:42				
Laboratory Control Sample									
Arsenic	0.483	mg/L	0.0050	97	85	115			
Copper	0.487	mg/L	0.010	97	85	115			
Zinc	0.491	mg/L	0.010	98	85	115			
Sample ID: B10100450-001BMS3					Run: ICPMS202-B_101008A 10/09/10 10:45				
Sample Matrix Spike									
Arsenic	0.612	mg/L	0.0050	100	70	130			
Copper	0.483	mg/L	0.010	95	70	130			
Zinc	0.474	mg/L	0.010	92	70	130			
Sample ID: B10100450-001BMSD3					Run: ICPMS202-B_101008A 10/09/10 10:48				
Sample Matrix Spike Duplicate									
Arsenic	0.602	mg/L	0.0050	98	70	130	1.5	20	
Copper	0.474	mg/L	0.010	93	70	130	1.8	20	
Zinc	0.465	mg/L	0.010	90	70	130	2	20	
Method: E200.8					Batch: R155272				
Sample ID: LFB					Run: ICPMS202-B_101008A 10/08/10 11:34				
Laboratory Fortified Blank									
Arsenic	0.0477	mg/L	0.0050	95	85	115			
Copper	0.0526	mg/L	0.010	105	85	115			
Zinc	0.0493	mg/L	0.010	99	85	115			
Sample ID: LRB					Run: ICPMS202-B_101008A 10/08/10 11:50				
Method Blank									
Arsenic	ND	mg/L	3E-05						
Copper	ND	mg/L	8E-05						
Zinc	ND	mg/L	0.0001						
Sample ID: B10100501-004AMS					Run: ICPMS202-B_101008A 10/08/10 15:02				
Sample Matrix Spike									
Arsenic	0.0590	mg/L	0.0010	116	70	130			
Copper	0.264	mg/L	0.010		70	130			A
Zinc	0.0547	mg/L	0.010	98	70	130			
Sample ID: B10100501-004AMSD					Run: ICPMS202-B_101008A 10/08/10 15:06				
Sample Matrix Spike Duplicate									
Arsenic	0.0605	mg/L	0.0010	119	70	130	2.4	20	
Copper	0.271	mg/L	0.010		70	130	2.6	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: Point Ruston LLC
Project: September, Tacoma Smelter Outfall Samples

Report Date: 10/14/10
Work Order: B10100515

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R155272		
Sample ID: B10100501-004AMSD	Sample Matrix Spike Duplicate				Run: ICPMS202-B_101008A		10/08/10 15:06		
Zinc	0.0547	mg/L	0.010	98	70	130	0	20	
Sample ID: B10100577-001CMS	Sample Matrix Spike				Run: ICPMS202-B_101008A		10/08/10 17:06		
Arsenic	0.0511	mg/L	0.0050	102	70	130			
Copper	0.0515	mg/L	0.010	95	70	130			
Zinc	0.615	mg/L	0.010		70	130			A
Sample ID: B10100577-001CMSD	Sample Matrix Spike Duplicate				Run: ICPMS202-B_101008A		10/08/10 17:10		
Arsenic	0.0514	mg/L	0.0050	102	70	130	0.6	20	
Copper	0.0498	mg/L	0.010	92	70	130	3.3	20	
Zinc	0.607	mg/L	0.010		70	130	1.2	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

Workorder Receipt Checklist


B10100515
Point Ruston LLC

Login completed by: Darwin C. Miller

Date Received: 10/6/2010

Reviewed by: BL2000\kmcDonald

Received by: Ig

Reviewed Date: 10/8/2010

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	9°C		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

 Contact and Corrective Action Comments:

None

POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

September

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS	
TACOMA SMELTER		OUT FALL SAMPLES		AS+G+Z+V			
SAMPLERS: (Signature)							
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
9/7/10	NORTH	10:23	✓		TSM0910407	1	✓
9/7/10	SOUTH	10:07	✓		TSM0910107	1	✓
9/7/10	OSW-2	10:08	✓		TSM0910207	1	✓
9/13/10	NORTH	12:32	✓		TSM0910413	1	✓
9/13/10	SOUTH	12:10	✓		TSM0910113	1	✓
9/13/10	OSW-2	12:11	✓		TSM0910213	1	✓
9/20/10	NORTH	9:57	✓		TSM0910420	1	✓
9/20/10	SOUTH	10:12	✓		TSM0910120	1	✓
9/20/10	OSW-2	10:13	✓		TSM0910220	1	✓
9/27/10	NORTH	9:57	✓		TSM0910427	1	✓
9/27/10	SOUTH	9:35	✓		TSM0910127	1	✓
9/27/10	OSW-2	9:36	✓		TSM0910227	1	✓
10/4/10	NORTH	9:08	✓		TSM1010404	1	✓
10/4/10	SOUTH	9:29	✓		TSM1010104	1	✓
10/4/10	OSW-2	9:30	✓		TSM1010204	1	✓
Relinquished (Signature)		Date/Time		Received by: (Signature)		Lab	
		10/5/10 FEDEX				ENERGY	
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks	
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time	
				Lisa Mancini		10-6-10 9:30	
				FedEx ^{EXP} Express		Split Samples:	
				Seals on bottles		[] Accepted [] Declined	
						Enclosed:	
						<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
						Signature	

1 of 1

FedEx ^{EXP} Express
Seals on bottles
90